

# Google Docs, Podcasting, Video, and Wikis

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During the session respond to the following questions in your Interactive Notebook.

- What will you use?
- How will you use it?
- What are the implications for your work?

Think about the HAPG's as your guide and –

How might these tools and strategies be useful and assist my instruction?

## Google Documents

Unlike desktop software, Google Docs lets people create web-based documents, presentations and spreadsheets that anyone in the group can update from his/her own computer, even at the same time.

Instead of emailing around files and having to deal with the confusion and extra work involved in managing different file versions and manually aggregating input from others, anyone in the group can edit the document online from anywhere -- all you need is a Web browser.



Google [Calendar](http://calendar.google.com) – <http://calendar.google.com>

Example of an embedded calendar in a wiki - <http://houstonmath.wikispaces.com/>



Google [Docs](http://docs.google.com/a/houstonisd.org) - <http://docs.google.com/a/houstonisd.org>

Scribd – <http://www.scribd.com/>

Example of an embedded Scribd document. <http://www.statweb.org/publications/tst.php>

## Podcasts

NSTA Podcasts - <http://www.nsta.org/publications/podcasts.aspx>

- <http://www.laboutloud.com/> - a podcast, hosted by two *science teachers*, that discusses science news and science education by interviewing leading scientists, researchers, science writers and other important figures in the field.
- <http://www.nsta.org/publications/press/behind.aspx> - In these interviews, authors share insights about their work. Whether or not you've read the highlighted books, we think you'll find these podcasts interesting, thought-provoking, and helpful.
- <http://www.nsta.org/publications/blickonflicks.aspx> - To help us sort the good science from the bad in movies and other visual media, Jacob Clark Blickenstaff provides expert commentary, pointing out where the physics is stretched, the chemistry fudged, or the biology twisted on behalf of the story—without losing sight of the fact that movies are meant to entertain.

AMS Podcast Math Moments - [www.ams.org/mathmoments](http://www.ams.org/mathmoments) - Mathematical Moments are 8.5" x 11" pdfs, available on many different topics in science, nature, technology, and human culture. Some have been translated into other languages, and some feature podcast interviews with experts in the field.

## Video

High School Physics at a Oswego Raceway integrating science and math -

[http://teachertube.com/viewVideo.php?video\\_id=2121&title=Momentum\\_with\\_Stephen\\_Gioia](http://teachertube.com/viewVideo.php?video_id=2121&title=Momentum_with_Stephen_Gioia)

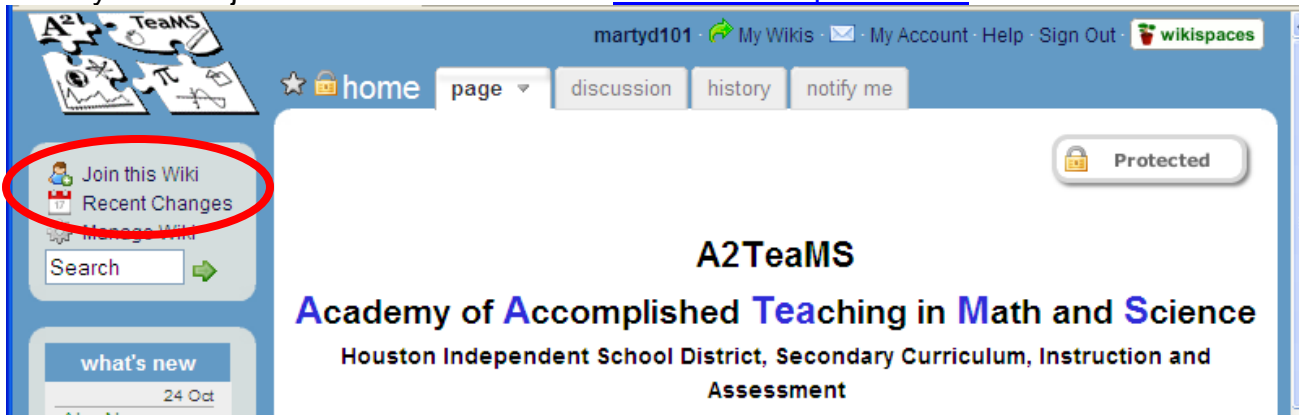
Embedded at <http://secondaryedtech.wikispaces.com/Sandbox>

# A-TeaMS Wiki Fever – Catch it!

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Make sure you have joined the A-TeaMS wiki! - [a2teams.wikispaces.com](http://a2teams.wikispaces.com)



It will ask for your Username and Password. If you do not have a Wikispaces account yet then click the link to [join Wikispaces now](#).

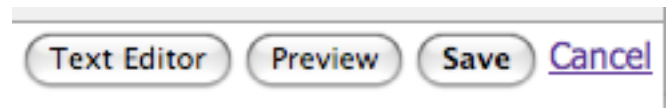
Join Wikispaces – *but do not set up a wiki here*. I'll give you another link to set up a wiki once you're a member that will be ad-free.

I suggest you can use your hisd email. This is an added verification that you are an HISD teacher.

After you have your account you can request to join the HISD LOTE wiki. It may take a few minutes for this to happen because a wiki organizer must approve this request. Once you're a member of the wiki you can create new pages, edit existing pages, upload and link to files, and many other things. All you need to do is click the Edit This Page button at the top of the page.



Make sure you hit the Save button when you are finished working on the page.



## How Teachers Use Wikis

There are several different place to create wikis, but my favorite is Wikispaces. K - 12 educators can sign up for an ad-free Wikispaces wiki <http://www.wikispaces.com/site/for/teachers>. There are lots of ways to use wikis in your classroom. Below are some examples of teachers using wikis:

As a classroom webpage. - <http://mrallens.wikispaces.com/>, or <http://math-nation.wikispaces.com/>, or <http://7math.wikispaces.com/>, or <http://lewisinmath.wikispaces.com/>, or <http://science-learning2009.wikispaces.com/>, or <http://mrcollings.wikispaces.com/>, or <http://wiknuffke.wikispaces.com/>, <http://missbakrsbiologyclasswiki.wikispaces.com/>, or <http://physicsisgreat.wikispaces.com/>, or <http://spfractions.wikispaces.com/>, or <http://codeblue.wikispaces.com/>

- As a collaborative project between classes or students and to collect information - <http://www.flatclassroomproject.org/New+Projects+0910> or <http://isbbio2.wikispaces.com/Human+Traits+Survey> or <http://cleanwatersheds.wikispaces.com/Data+Page>
- Other creative uses – see some great examples: <http://fouuss.pbworks.com/>, or <http://scientificinvestigationsunis.wetpaint.com/>

## Setting up your own wiki at wikispaces

Go to the education site to ensure your site will be ad-free.

<http://www.wikispaces.com/site/for/teachers>

- Fill out the information on the wikispaces page---Choose a Wiki Name and make sure you check the box that it will be used for K-12 Education under Educational Use. The wiki name becomes part of the URL address so don't use spaces or capital letters. Keep it simple. If the wiki name is a2teams, then the URL address is <http://a2teams.wikispaces.com>
- Wiki Permissions - . Public Account allows the whole world to make edit your pages. Select Protected if you only want members of the wiki i.e. your students, to make edits. If protected, the whole world can see the wiki, but only members can edit. Select Private if you only want your class (and people you give the URL to) to be able to view the wiki.
- Click Create and now you can see your new wiki.

## Reminder –

*Be sure to write down the URL address of your wiki when you are creating it.*

When you want to work on a wiki page that you have already created, type in the URL of the wiki. You may need to Sign In.

Next, navigate to the page you want to edit and click on the “Edit This Page” button.

**Edit This Page**

Be sure to hit the Save button when finished working on the wiki page! You can also click on the **Save** button while you are working on the page.

**Text Editor** **Preview** **Save** [Cancel](#)

## Add a new page

Click on “New Page” in the top left-hand corner. Give the page a simple name and click on Create. When a new page is created, the name of the page will appear in the navigation menu on the left-hand side.

**Actions**

- [New Page](#)
- [Recent Changes](#)
- [Manage Wiki](#)

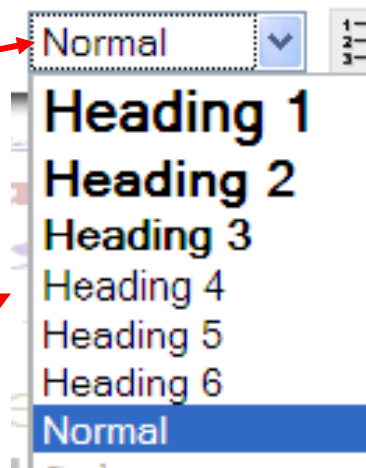
## Formatting and Editing



Bold Italic Underline

Sets the font properties such as text color and alignment.

Create headings for your page



Numbered Lists	Bulleted Lists	Horizontal Line	Create a hyperlink	Delete a hyperlink
Insert a graphic file or another type of file	Embed a Widget, Calendar, Slideshow, etc.	Insert a table	Insert a symbol	Insert html code

## Deleting or Checking What Images/Files You Have Already Uploaded

- Click on “Manage Wiki” on the left-hand side.
- Click on Files icon in the content section of the page.
- A list of all the files that have been uploaded will appear.
- You can click on Actions to rename or delete files.

## Changing colors and style

- Click on “Manage Wiki” on the left-hand side.
- Click on Look and Feel under the settings section of the page.

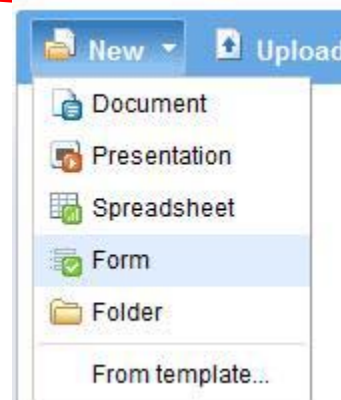
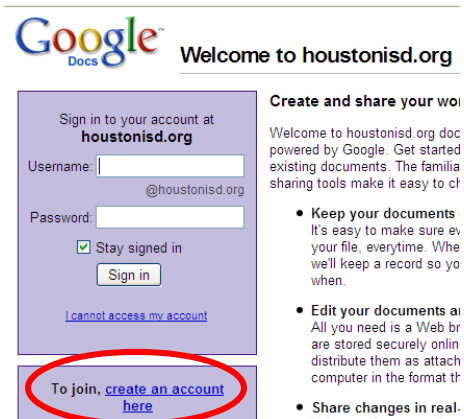
## Google Apps

To make the online quizzes and calendars described below and embed them in your wiki, you will need to have a Google account. I suggest you use the HISD Google Doc account. If you haven't set one up yet then begin by creating your HISD Google Account Go to <http://docs.google.com/a/houstonisd.org> Click on Create an account here. Use your HISD username

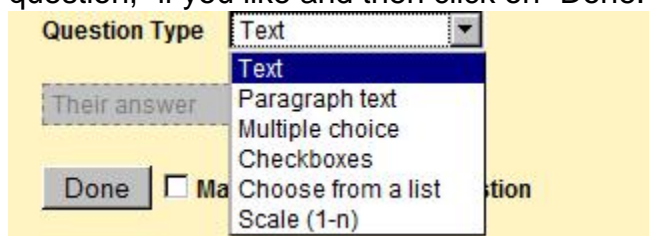
## Creating a Self Grading Quiz with Google Forms

Now create your new test. There are simplified directions below. Another good tutorial on creating a quiz from a Google form can be found here - <http://www.quiz-creator.com/blog/2009/09/making-online-quiz-with-google-docs-1-creating-quizzes/>.

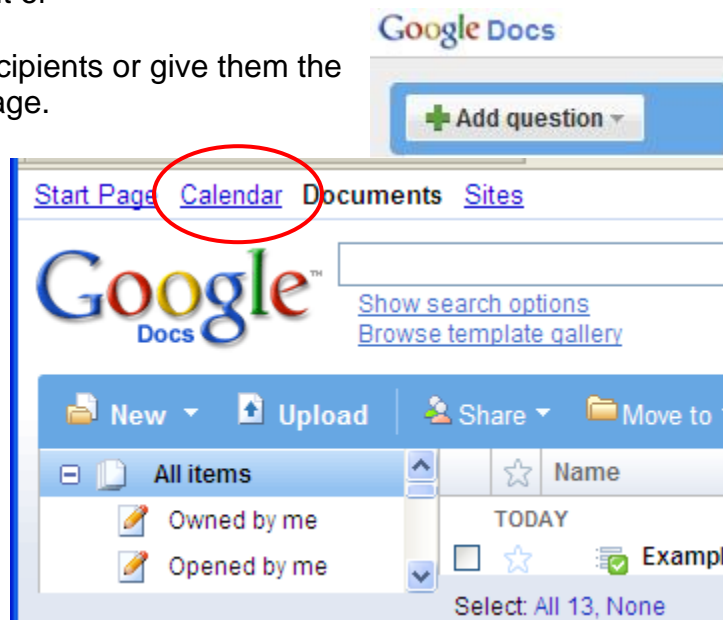
1. Choose Form from the New dropdown menu. You'll see a screen similar to the one below.



- Name your form; this will be the name of your quiz. Create a question by adding text to the "Question Title." You can "Make this a required question," if you like and then click on "Done."
- Choose the "Question Type."
- To add another question, you can click on the "+Add question" from the top of the form or click the duplicate icon on the right of the question you just created.
- Continue this process until you are finished with the quiz. Select "Save" at the top right of the form to save your quiz.
- You can email this document to known recipients or give them the link to the live form at the bottom of the page.

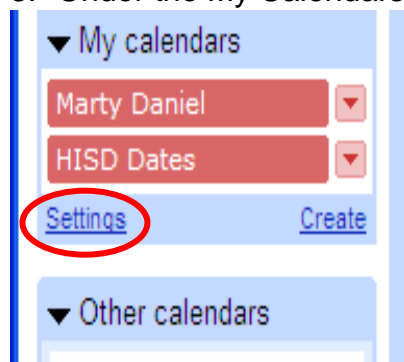


- My example form  
<http://spreadsheets.google.com/viewform?formkey=dFZURkhBaJU M2trdHk0QldhQk1Ma0E6MA>
- My Spreadsheet Example  
<http://spreadsheets.google.com/a/houstonisd.org/cc?key=0AI67m uIZH9nKdFZURkhBaJU M2trdHk0QldhQk1Ma0E&hl=en>

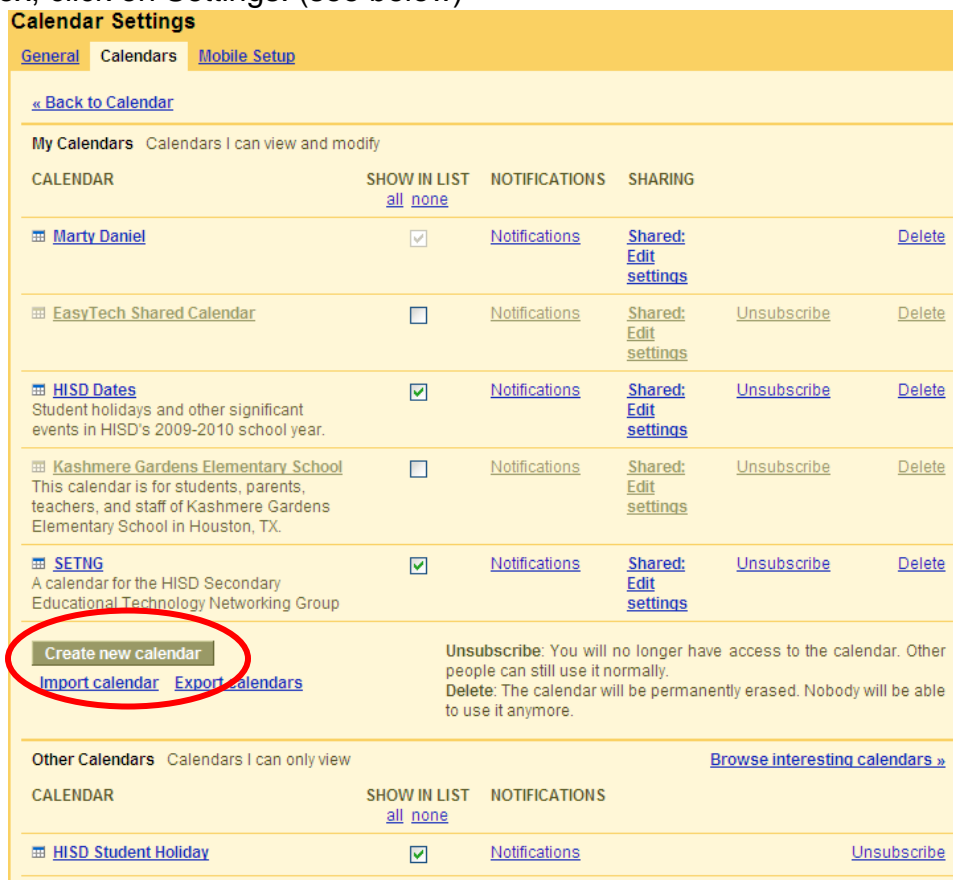


## Create you Google Calendar

- Go to your HISD Google Docs account.  
<http://docs.google.com/a/houstonisd.org>
- Click on Calendar
- Under the My Calendars box, click on Settings. (see below)



- Click on Create New Calendar.
- You may want to create a separate calendar for each class or organization.
- Add in Calendar Name, description, time zone, country, etc and then click Create Calendar at the bottom. You can share the calendar with someone to help you edit etc. Make sure you






- make the calendar public if you want to display it on your wiki
- To add an event simply click on the calendar and add in your information. Select Edit event details to add additional information.
  - Next, practice adding events to you calendar. This can be done by clicking on the calendar date.

HISD Dates Calendar -


[http://www.google.com/calendar/hosted/houstonisd.org/embed?src=houstonisd.org\\_leo12h8a54cnpluf9bltc0sd9o%40group.calendar.google.com&ctz=America/Chicago](http://www.google.com/calendar/hosted/houstonisd.org/embed?src=houstonisd.org_leo12h8a54cnpluf9bltc0sd9o%40group.calendar.google.com&ctz=America/Chicago)

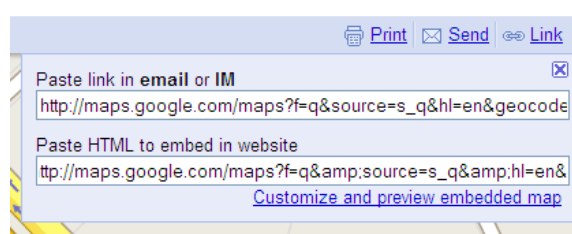
A great tutorial on embedding your calendar into your wiki can be found here – <http://tinyurl.com/ozpaw2>

## Embedding a Google calendar

- Go to your Google calendar and get the embed code (see above).
- Copy that code.
- Now open the Wikispace page where you want your calendar to appear.
- Go into edit mode.
- Click where you want the calendar to appear.
- Choose the Embed a widget icon > 
- Select calendar and then Google calendar.
- Paste your code in the box at the bottom and then Save.
- Save your wiki page to see the calendar.

## More Widgets

- Videos and podcasts – Teacher Tube, <http://teachertube.com> Copy the embed code to the right of the video you want to embed. Go to your wiki and choose the Embed a widget icon , choose video and there is a link for Teacher Tube videos. You Tube videos will not play on an HISD campus. Some podcasts can be embedded but not all. They have to offer a streaming version that can be embedded.
- Google Maps at <http://maps.google.com> – If you have parents or students who need directions to a field trip or sporting event? Go to Google maps and look up the destination's address. When the map appears, click **Link**, then click on the customize link. A new window pops up where you can customize your map. Copy the HTML code to paste into your embed widget in your wiki.
- PowerPoints – There are several tools that will allow you to convert your PowerPoints into the embeddable slideshows, but my favorite by far is, Slideshare at <http://www.slideshare.net>.
- Word Documents – Again there are many tools to embed a word document – my personal favorite is Scribd at <http://www.scribd.com/> which will allow you to upload your Word (including 2007 documents) and PDF documents and provide the embed code. Now parents and students can view handouts and such without having to have Microsoft Office on their home computers. Students can do assignments and embed them in the class wiki to share with you and their classmates.
- Animoto at <http://animoto.com/education> is a great tool to make photo music videos that can be easily embedded on a wiki.
- Photopeach at <http://photopeach.com/> is a fun slideshow creator that comes with audio and the easy ability to add text over your images. The embed code is found underneath the slideshow.







- Picasa Web Album Slideshows at <http://picasaweb.google.com/> is another great tool from Google. This free tool not only is one of the easiest photo editors around, it allows you to save and share your photos on the web. When you have an album created online, look for the Link Button on the right. You'll see an option for Embed a Slideshow.
- Wordle at <http://www.wordle.net> is a tool to make awesome word clouds from a piece of text. The size of the word is proportionate to the number of times it appears in the text. The embed code is found directly beneath the generated Wordle. For 38 ways to use Wordle, go to <http://www.slideshare.net/zoomer777/thirty-eight-interesting-ways-to-use-wordle-i>.
- Feeds are a great way to add dynamic information to a wiki. To insert an RSS feed on your page:
  - Find a site that provides a feed. Look for, and click on, the icon that looks like the one on the right.
  - After clicking the RSS icon, copy the URL found in the address bar. This is the direct link to the feed.
  - Paste this address into the widget dialog box.



## Addendum –

Here are some additional tools available through Google. They are not wiki related but useful nonetheless.


## Searching

-  [Book Search](http://books.google.com/) - <http://books.google.com/>
-  [News Search](http://news.google.com/) - <http://news.google.com/>
-  [Web Search](http://www.google.com/educators/p_websearch.html) - [http://www.google.com/educators/p\\_websearch.html](http://www.google.com/educators/p_websearch.html) has lessons and resources on searching
-  Google Scholar – <http://scholar.google.com>

## Communicating

-  [Blogger](http://www.blogger.com) - <http://www.blogger.com>
-  [Groups](http://groups.google.com) – <http://groups.google.com>

## Earth Science

-  [Geo Education](http://earth.google.com/)
  - Google Earth - <http://earth.google.com/>
  - Google Sky - <http://www.google.com/sky/>
  - Google Maps - <http://maps.google.com/maps>

## Diagrams

-  Google Sketchup - <http://sketchup.google.com/industries/edu/primary.html>

## News Reader and custom startpage

-  [iGoogle](http://www.google.com/ig) – <http://www.google.com/ig>